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MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

U45S SERIES

Jameco Part Number 221516 (U45S102-P2JU)

- .3 POLE AC INLET IEC320-C14
- .UNIVERSAL AC INPUT/FULL RANGE
- .CLASS I POWER(WITH EARTH PIN)
- .FULL OUTPUT 3~48V SAFETY APPROVED
- .PROTECTIONS:SHORT CIRCUIT/OVER LOAD/OVER VOLTAGE
- .APPROVALS:UL/CUL/TUV/CE
- .LED INDICATE FOR POWER ON
- .FULLY ENCLOSED PLASTIC CASE
- .100% FULL LOAD BURN-IN TEST
- .1 YEAR WARRANTY

MODEL / SPECIFICATION	U45S102-yyy	U45S103-yyy	U45S104-yyy	U45S105-yyy	U45S106-yyy	U45S107-yyy	U45S108-yyy	U45S111-yyy
SAFETY MODEL NO.	SPU45E-102	SPU45E-103	SPU45E-104	SPU45E-105	SPU45E-106	SPU45E-107	SPU45E-108	SPU45E-111
DC OUTPUT VOLTAGE	5V	7.5V	9V	12V	15V	18V	24V	48V
OUTPUT V. TOLERANCE	±5%	±3%	±3%	±3%	±3%	±3%	±3%	±3%
OUTPUT RATED CURRENT	8.00A	5.60A	5.00A	3.75A	3.00A	2.77A	2.08A	1.04A
OUTPUT CURRENT RANGE	0-8.00A	0-5.60A	0-5.00A	0-3.75A	0-3.00A	0-2.77A	0-2.08A	0-1.04A
RIPPLE & NOISE (p-p)	50mV	70mV	80mV	100mV	120mV	120mV	150mV	180mV
LINE REGULATION	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
LOAD REGULATION	±5%	±5%	±5%	±3%	±3%	±3%	±3%	±3%
CONTINUE OUTPUT POWER	40W	42W	45W	45W	45W	50W	50W	50W
EFFICIENCY	65%	68%	70%	72%	74%	76%	78%	81%
DC VOLTAGE ADJ.	FIXED							
INPUT VOLTAGE RANGE	90~264VAC 47~63Hz							
AC CURRENT	1.35A@100VAC							
INRUSH CURRENT	COLD START < 40A PEAK/230VAC							
LEAKAGE CURRENT	<0.75mA/240VAC							
OVERLOAD PROTECTION	HICCUP MODE, RESET:AUTO RECOVERY							
OVER VOLTAGE PROTECTION	110%~140% OF RATED OUTPUT VOLTAGE							
OVER TEMP. PROTECTION	---------							
TEMP. COEFFICIENT	±0.03% / ◦C (0~50◦C)							
SETUP, RISE, HOLD UP TIME	800ms, 50ms, 20ms AT FULL LOAD AND 230VAC							
VIBRATION	10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES							
WITHSTAND VOLTAGE	I/P-O/P:3KVAC, I/P-FG:1.5KVAC FOR 1minute							
ISOLATION RESISTANCE	I/P-O/P, I/P-FG:100M Ohms min. @500VDC							
WORKING TEMP., HUMIDITY	0◦C~+40◦C @ 100%LOAD, 20%~90% RH							
STORAGE TEMP., HUMIDITY	-20◦C~+85◦C, 10%~95% RH							
DIMENSION	146*76*44mm (L*W*H)							
WEIGHT; Q'TY/CARTON	0.5Kgs; 40PCS/CARTON							
SAFETY STANDARDS	UL1950, CSA22.2 ; TUV EN60950 APPROVED							
EMC STANDARDS	EN55022 CLASS B, EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11							
LENGTH OF OUTPUT CABLE	120cm OF SPT-1, 16AWG*2C FOR 5V OUTPUT 180cm OF SPT-1, 18AWG*2C FOR 7.5V~48V OUTPUT							
PLUG OF DC OUTPUT	STANDARD PLUG P2J : 2.1¢*5.5¢*11mm CENTER POSITIVE yyy:TO BE DEFINED BY OUTPUT CABEL AND CONNECTOR(BY CUSTOMER NEED)							

NOTE :
1. ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2. TOLERANCE : INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3. RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4. LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5. LOAD REGULATION IS MEASURED FROM 0% TO 100% RATED LOAD.

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